

CRUISE PERFORMANCE

CONDITIONS:
2400 Pounds
Recommended Lean Mixture (See Section 4, Cruise)
NOTE:
Cruise speeds are shown for an airplane equipped with speed fairings which increase the speeds by approximately two knots.

PRESSURE ALTITUDE FT	RPM	20°C BELOW STANDARD TEMP			STANDARD TEMPERATURE			20°C ABOVE STANDARD TEMP		
		% BHP	KTAS	GPH	% BHP	KTAS	GPH	% BHP	KTAS	GPH
2000	2500	72	110	7.3	76	114	8.5	72	114	8.1
	2400	65	104	6.6	69	109	7.7	65	108	7.3
	2300	58	99	6.3	62	103	6.9	59	102	6.6
	2200	52	92	6.0	55	97	6.3	53	96	6.1
	2100	52	92	6.0	50	91	5.8	48	89	5.7
4000	2550	77	115	8.6	76	117	8.5	72	116	8.1
	2500	69	109	7.8	73	114	8.1	69	113	7.7
	2400	62	104	7.0	65	108	7.3	62	107	7.0
	2300	56	98	6.3	59	102	6.6	57	101	6.4
	2100	51	91	5.8	48	89	5.7	47	88	5.5
6000	2600	73	114	8.2	77	119	8.6	72	118	8.1
	2500	66	108	7.4	69	113	7.8	66	112	7.4
	2400	60	103	6.7	63	107	7.0	60	106	6.7
	2300	54	96	6.1	57	101	6.4	55	99	6.2
	2100	49	90	5.7	47	88	5.5	46	86	5.5
8000	2650	77	119	8.7	77	121	8.6	73	120	8.1
	2600	70	113	7.8	73	118	8.2	69	117	7.8
	2500	63	108	7.1	66	112	7.4	63	111	7.1
	2400	57	101	6.4	60	106	6.7	58	104	6.5
	2200	52	95	6.0	55	100	6.2	53	97	6.0
10,000	2600	74	118	8.3	70	117	7.8	66	115	7.4
	2500	67	112	7.5	64	111	7.1	61	109	6.8
	2400	61	106	6.8	58	105	6.5	56	102	6.3
	2300	55	100	6.3	53	98	6.0	51	96	5.9
	2200	50	93	5.8	49	91	5.7	47	89	5.6
12,000	2550	67	114	7.5	64	112	7.1	61	111	6.9
	2500	64	111	7.2	61	109	6.8	59	107	6.6
	2400	59	105	6.6	56	103	6.3	54	100	6.1
	2300	53	98	6.1	51	96	5.9	50	94	5.8

Figure 5-8. Cruise Performance

LANDING DISTANCE

SHORT FIELD

CONDITIONS:
Flaps 30°
Power Off
Maximum Braking
Paved, Level, Dry Runway
Zero Wind

- NOTES:
- Short field technique as specified in Section 4.
 - Decrease distances 10% for each 9 knots headwind. For operation with tailwinds up to 10 knots, increase distances by 10% for each 2 knots.
 - For operation on a dry, grass runway, increase distances by 45% of the "ground roll" figure.
 - If a landing with flaps up is necessary, increase the approach speed by 7 KIAS and allow for 35% longer distances.

WEIGHT LBS	SPEED AT 50 FT KIAS	PRESS ALT FT	0°C		10°C		20°C		30°C		40°C	
			GRND ROLL FT	TOTAL FT TO CLEAR 50 FT OBS	GRND ROLL FT	TOTAL FT TO CLEAR 50 FT OBS	GRND ROLL FT	TOTAL FT TO CLEAR 50 FT OBS	GRND ROLL FT	TOTAL FT TO CLEAR 50 FT OBS	GRND ROLL FT	TOTAL FT TO CLEAR 50 FT OBS
2400	61	S.L.	510	1235	530	1265	550	1295	570	1325	585	1350
		1000	530	1265	550	1295	570	1325	590	1360	610	1390
		2000	550	1295	570	1330	590	1360	610	1390	630	1425
		3000	570	1330	590	1360	615	1395	635	1430	655	1460
		4000	595	1365	615	1400	635	1430	660	1470	680	1500
		5000	615	1400	640	1435	660	1470	685	1510	705	1540
		6000	640	1435	660	1470	685	1510	710	1550	730	1580
		7000	665	1475	690	1515	710	1550	735	1590	760	1630
		8000	690	1515	715	1555	740	1595	765	1635	790	1675

Figure 5-11. Landing Distance